

## AUTHOR INDEX FOR VOLUME 11

Abghari, S. Z., 433  
Adams, J., 234  
Al-Hussaini, A. K., 73, 184  
Anger, C. B., 484  
Antonarakis, S., 302  
Aquavella, J. V., 183  
Araullo-Cruz, T., 529  
Asbell, P. A., 277  
Ashkenazi, I., 534  
Assil, K. K., 393  
Auran, J. D., 584  
Avni, I., 534

Baer, J. C., 173  
Bancroft, B. J., 586  
Barnes, C., 365  
Barras, C. W., 211  
Baum, J., 231  
Bergmanson, J. P. G., 133, 491  
Berlin, O. G. W., 493, 500  
Blair, S. D., 255  
Bloom, H. R., 200  
Boets, E. P. M., 515  
Boles, S. F., 47  
Borrman, L., 226  
Bowman, R. W., 44  
Bron, A. J., 288, 334  
Brown, D. D., 44  
Brown, S. I., 393  
Bruckner, D. A., 493, 500  
Buchen, S. Y., 484  
Bullington, R. H., Jr., 250  
Burke, J. P., 275

Cahane, M., 534  
Cain, R. L., 577  
Calonge, M., 173, 311  
Cameron, J. A., 309  
Carey, B. J., 41  
Carlson, A. N., 151  
Casey, R., 155  
Casey, T. A., 155  
Cavanagh, H. D., 108, 114, 191, 221, 255, 282,  
    368, 369  
Chien, D-S., 234  
Chu, W., 329

Cillies, C., 484  
Cipolla, L., 20  
Clerc, M., 452  
Cobo, L. M., 413  
Cogan, D. G., 595  
Cohen, G. R., 231  
Conger, D. E., 28  
Coster, D. J., 211  
Crouch, R. K., 567  
Cullor, J., 370

Darrell, R. W., 262  
Datilis, M. B., 595  
Dave, A. S., 604  
De Clerq, E., 529  
de Freitas, D., 471  
De Potter, P., 589  
de Queiroz, J. M., 376  
Desai, V. N., 592  
D'Hermes, F., 538  
DiMattio, J., 53  
Donn, A., 584  
Doughman, D. J., 360  
Douglas, H., 393  
Downes, J. E., 560  
Dries, D., 370  
Dubourg, L., 452  
Dugel, P. U., 493  
Dumon, M. F., 452

Edelhauser, H. F., 204  
Eiferman, R. A., 1, 11, 20  
Elgebaly, S. A., 484  
Ellis, M. F., 127

Failla, S. J., 277  
Fasano, A. P., 465  
Feldon, S., 36  
Ficker, L. A., 427  
Filipec, M., 546  
Foos, R. Y., 493  
Foster, C. S., 173, 329, 446, 546  
Foulks, G. N., 151, 413  
Francomano, C. A., 302  
Frank, J., 226  
Friedlander, M. H., 73, 184

Frucht-Perry, J., 393  
 Fulcher, S. F. A., 413

Garbus, J. J., 465  
 Gauderman, W. J., 398  
 Geggel, H. S., 505  
 Geroski, D. H., 204  
 Gilbard, J. P., 231  
 Gondhowiarkjo, T. D., 386  
 Gonzalez, V. H., 404  
 Gordon, Y. J., 529  
 Gothard, T. W., 360  
 Greaves, J. L., 288  
 Green, W. R., 586  
 Grene, R. B., 294  
 Gritz, D. C., 143, 404, 479  
 Grossniklaus, H. E., 77  
 Gwon, A., 143, 294, 398

Haddox, J. L., 409  
 Haik, B. G., 41  
 Halsted, M. A., 44  
 Hardten, D. R., 360  
 Harrison, M., 586  
 Harrold, M., 294  
 Hasegawa, T., 418  
 Hatchell, D. L., 413  
 Hemady, R. K., 329  
 Hirst, L. W., 586  
 Hoe, W. K-C., 155  
 Hofbauer, J. D., 273  
 Holden, B. A., 319  
 Holland, E. J., 360  
 Holland, G. N., 493, 500  
 Holmes, R. S., 560  
 Hubbard, B. B., 143  
 Hubbard, G. B., 560  
 Hwang, D., 479  
 Hykin, P. G., 334  
 Hyman, G. A., 584  
 Hyman, L., 573

Ichijima, H., 108, 114, 221, 282, 368  
 Iglesias, L. S., 365  
 Imayasu, M., 114

Jabbur, N., 446  
 Jackson, A. J., 83  
 Jaffe, G. J., 413  
 Jester, J. V., 191, 221, 282, 368  
 John, G., 409  
 Johnston, P. B., 83  
 Johnstone, E. W., 211  
 Jones, R., 294, 398

Jones, R. R., 148  
 Jumblatt, M. M., 1, 11, 20

Kaji, K., 380  
 Kajiwara, K., 418  
 Kangas, T. A., 204  
 Kann, J., 226  
 Kano, K., 380  
 Karcioglu, Z. A., 41, 73  
 Karcioglu, Z. A., 184  
 Karpouzas, I., 489  
 Kelly, L. D., 471  
 Kerr, N., 355  
 Kerr-Muir, M. G., 275  
 Kervik, G. N., 83  
 Kijlstra, A., 386, 515  
 Kim, J. H., 151  
 Kinoshita, S., 475  
 Kiritoshi, A., 475  
 Kirkness, C. M., 600  
 Kirness, C. M., 427  
 Kobayashi, T. K., 418  
 Kok, J. H. C., 515, 518  
 Kong, F-S., 66  
 Koster, H., 452  
 Kruth, H. S., 595  
 Kvitko, S., 36, 398, 404

Laing, R. A., 121  
 Landini, G., 510  
 Lange, T., 242  
 Lanier, J. D., 250  
 Lankston, P., 294  
 Lee, M., 465  
 Lee, P. P., 102  
 Lee, T. Y., 143  
 Lee, W. R., 127  
 Legeais, J. M., 538  
 Leong, F-L., 47  
 Levenson, J., 273  
 Lewis, J. S., 264  
 Li, C., 66  
 Li, J-L., 66  
 Liggett, P. E., 376  
 Lightman, J., 351  
 Lin, E. T., 226  
 Lindahl, K. J., 183  
 Litwein, K. L., 398  
 Liu, C., 364  
 Lloyd, S. A., 315  
 Lloyd, W. C. III, 315  
 Lopes, J. M., 486  
 Lovric, V. A., 211  
 Lubeck, D., 211  
 Lundergan, M. K., 302

Mader, T. H., 270  
 Madigan, M. C., 319  
 Maguire, L. R., 148  
 Manabe, R., 475  
 Mannis, M., 370  
 Mannis, M. J., 351  
 Mark, L. K., 277  
 Martin, N., 595  
 Matsuda, Y., 380  
 Maumenee, A. E., 102  
 Maumenee, I. H., 302  
 McCulley, J. P., 44, 604  
 McDermott, M. L., 204  
 McDonnell, J. M., 479  
 McDonnell, P. J., 36, 102, 143, 365, 376, 398, 404,  
     465, 479  
 McGhee, C. N. J., 127  
 McLaughlin, B. J., 242  
 Meek, K. M., 185  
 Merchant, A., 546  
 Meyer, H. J., 86  
 Misson, G. P., 510  
 Mittelman, D., 165  
 Mordaunt, J., 294  
 Moreira, H., 376, 398, 465  
 Murphy, C. J., 370  
 Murray, P. I., 510  
 Namiki, H., 380  
 Naumann, G. O. H., 86  
 Nepom, B. S., 505  
 Nettles, J. W., 505  
 Nishida, K., 475  
 Nista, J., 226  
 Oberfeld, S. M., 577  
 Ohadi, C., 398  
 Ohashi, J-I., 108, 114, 282  
 Ohashi, Y., 475  
 Ohrlich, S., 586  
 Päälysaho, T., 523  
 Parrish, C. M., 163  
 Parsons, M. A., 275  
 Paschal, J. F., 493, 500  
 Pastor, J. C., 311  
 Pavan-Langston, D., 471  
 Perfect, J. R., 151  
 Petrash, J. M., 433  
 Petroll, W. M., 221, 282, 368  
 Pfister, R. R., 409  
 Phan, T. M., 546  
 Phinney, R. B., 500  
 Pillai, S., 255  
 Plotnik, R. D., 351  
 Pohlod M., 41  
 Pouliquen, Y. J-M., 452, 489, 538  
 Prager, T. C., 250  
 Proia, A. D., 264, 553  
 Puffenberger, E., 302  
 Quantock, A. J., 185  
 Quismorio, F. P., Jr., 365  
 Rabinowitz, Y. S., 302, 343  
 Raphael, B., 242  
 Reed, J. W., 577  
 Refojo, M. F., 47  
 Reid, T., 370  
 Renard, G., 538  
 Rice, B. A., 173, 546  
 Rinne, J. R., 326  
 Romanowski, E., 529  
 Rossi, C., 538  
 Roth, S. I., 165  
 Rummelt, V., 86  
 Saika, S., 439  
 Salgado-Borges, J., 486  
 Salvoldelli, M., 538  
 Sassani, J. W., 343  
 Sato, E. H., 471  
 Salvoldelli, M., 452  
 Schanzlin, D. J., 191, 393  
 Schultz, G. S., 1, 11, 20  
 Schwab, I. R., 370  
 Scroggs, M. W., 264, 553  
 Seabrooks, D., 255  
 Seyama, Y., 380  
 Sharif, K. W., 155  
 Sharkey, J. A., 83  
 Shields, C. L., 589, 592  
 Shields, J. A., 589, 592  
 Shields, W. J., 255  
 Shimizu, R. W., 234, 484  
 Shin G., 41  
 Shirama, K., 380  
 Silva-Araujo, A., 486  
 Sison, R. F., 493  
 Slack, J. W., 204  
 Smith, S. G., 343  
 Smith, W., 370  
 Snibson, G. R., 288  
 Soper, N. D. W., 288  
 Spencer, J. A., 484  
 Staneck, J. L., 200  
 Stark, W. J., 102  
 Stern, G. A., 355  
 Stevens, R. K., 500  
 Stevenson, R. W. W., 600

Stock, E. L., 165  
 Stokes, D. W., 163  
 Stonecipher, K. G., 41  
 Stulting, R. D., 270, 326, 433

Talbot, J. F., 275  
 Tang-Liu, D. D-S., 143, 226  
 Tardio, D. J., 589  
 Tauber, J., 446  
 Tavares, M. A., 486  
 Telahun, A., 77  
 Temnycky, G. O., 183  
 Tepper, D., 41  
 Tervo, K., 523  
 Tervo, T., 523  
 Thonar, E. J-M. A., 185  
 Tiffany, J. M., 288  
 Torres, M. A., 277  
 Trousdale, M. D., 234, 404  
 Tsubota, K., 418  
 Tsubota K., 121

Ugajin, S., 418  
 Urinowski, E., 534

van Best, J. A., 515  
 van Haeringen, N. J., 386  
 van Setten, G-B., 523  
 VandeBerg, J. L., 560  
 Verity, S. M., 28  
 Villasenor, R. A., 191

Virtanen, I., 523  
 Visser, R., 518

Wander, A. H., 200  
 Waring, G. O., 77  
 Weaver, R. G., 577  
 Webber, S. K., 275  
 Weckbach, L. S., 200  
 Weinreb, R. N., 393  
 Weiss, J. S., 93  
 Whitehouse, A., 20  
 Wilcox, M. J., 234  
 Wilkerson, M., 413  
 Williams, K. A., 211  
 Wilson, C. G., 288  
 Wilson, S. E., 28, 315  
 Wittpenn, J., 573  
 Wolfley, D. E., 272  
 Wood, T. O., 242  
 Woost, P. G., 1, 11, 20

Xu, J-T., 66

Yamada, M., 418  
 Yamaguchi, T., 489  
 Yang, C., 573  
 Yang, J. C., 102  
 Yokoyama, Y., 380

Zhao, T-Z., 546  
 Zhu, D., 302  
 Zhu L., 567  
 Ziegler, E., 393

## SUBJECT INDEX FOR VOLUME 11

Acanthamoeba keratitis, 275  
 Acne rosacea, 334  
 Adenovirus replication, 529  
 Albumin, oxidants, 567  
 Alcohol dehydrogenase, 560  
 Aldehyde dehydrogenase, 386, 560  
 Alkali injury, 409  
 Allelic variation in Fuch's dystrophy, 315  
 Amikacin, and *Mycobacterium fortuitum*, 500  
 Amyloid, 343  
 Anemia, in lecithin-cholesterol acyltransferase deficiency, 595  
 Anterior blepharitis, 334  
 Anti-inflammatory agents, 398  
 Aphakia, and intracorneal hemorrhage, 73, 184  
 Aqueous humor,  
     and ascorbic acid transport, 53  
 Artificial tears  
     carboxymethylcellulose-based, 294  
     formulations, 234  
     residence time, 288  
     viscosity, 288  
     -L-Ascorbic acid 2-phosphate, effect on keratocyte, 439  
 Ascorbic acid transport  
     in aqueous humor, 53  
     in endothelium, 53  
     in stroma, 53  
*Aspergillus flavus*  
     antifungal agents, 151  
     infection after cataract surgery, 151  
 Astigmatism, 28  
 Axenfeld-Rieger syndrome, 163  
 Axenfeld's anomaly, associated with Down's syndrome, 163  
 Basal lamina, and radial keratotomy, 191  
 Benzalkonium chloride  
     in artificial tears, 234  
     epithelial cell damage, 221, 368  
 Blepharitis, 334  
 Bowman's layer, 165, 553  
 Brown-McLean syndrome, 577  
 Calcareous corneal degeneration, 155  
 Calcific band keratopathy, 155  
 Calcification, and penetrating keratoplasty, 155  
 Capsulorhexis, 273, 604  
 Carboxymethylcellulose, in artificial tears, 234, 294  
 Carcinoma, 589  
 Cataract, spontaneous reabsorption, 83  
 Cataract surgery, 273, 604  
     brush cytological evaluation of wound healing, 418  
     complications, 148  
     fixation forceps, 364  
     fungal scleritis, 151  
     intracapsular extraction, 577  
 Chicken pox, and delayed keratitis, 471  
 Chlamydia trachomatis, 360  
 Cholesterol  
     and fish-eye disease, 452  
     and Schynder's crystalline dystrophy, 93  
 Chondroitin sulfate medium, 127, 200  
 Chronic blepharitis, 334  
 Cicatricial pemphigoid, 272, 365  
     detection, 446  
 Ciprofloxacin, and *Mycobacterium fortuitum*, 500  
 Collagen metabolism, 302  
 Congenital hereditary corneal dystrophy, 486  
 Conjunctiva  
     radioprotection with WR-2721, 41  
     resection, 173, 262  
     subconjunctival injection in alkali injury, 409  
     and trichiasis, 272  
 Conjunctival flap  
     and herpes keratouveitis, 44  
 Conjunctivitis, 360  
 Contact lens  
     and acanthamoeba keratitis, 275  
     aphakic wear, 73, 184  
     bacterial adherence, 47  
     bandage, 277  
     effects on epithelium, 282  
     endothelial irregularity with long-term hard lens wear, 600  
     and endothelial polymegithism, 133  
     hard, and epithelial metabolism changes, 121  
     and hypoxia, 108  
     and intracorneal hemorrhage, 73, 184  
     and keratitis, 47

and lactate dehydrogenase change, 108, 114  
 and *Pseudomonas aeruginosa* adhesion, 47  
 and tear turnover, 515  
 therapeutic, 277  
 transient blebs, 319  
 vs. scleral lens for dry eye, 518  
 vs. scleral lens for surface disorders, 518

Cornea plana, 83  
 Corneal argyrosis, 264  
 Corneal curvature, 351  
 and axial length, 250

Corneal lipidosis, in fish-eye disease, 452  
 Corneal topography, 28, 302, 351  
 changes after radial keratotomy, 465  
 changes after strabismus surgery in Grave's disease, 36

Corticosteroids  
 and keratitis, 404  
 and *Mycobacterium fortuitum*, 493  
 and *Streptococcus mitis*, 479  
 in transplantation, 326

Cryopreservation, 211  
 Crystalline keratopathy, 584  
 from *Streptococcus mitis*, 479

Cyclosporine, in transplantation, 173  
 Cyclosporine A, in wound healing, 546

Cytotoxicity  
 of benzalkonium chloride, 221, 368  
 of perfluorocarbons liquids, 376

Defensive defense peptides, 370  
 Dendritic keratitis, 471, 510  
 Dendritic ulcer, 510  
 Descemet's membrane, 165  
 and endothelial cell growth, 242  
 protein variation in Fuch's dystrophy, 315

Disciform keratitis, 471  
 DNA synthesis, in endothelium, 1  
 Down's syndrome, and Axenfeld's anomaly, 163  
 Dry eye, contact lens vs. scleral lens, 518  
 Dye-laser photocoagulation, 173

Dyslipoproteinemia  
 in lecithin-cholesterol acyltransferase deficiency, 595

Dyslipoproteinemia  
 in fish-eye disease, 452

Dystrophy, 93, 242, 255, 343, 486  
 macular, 185  
 posterior amorphous, 165

Edema, 573, 577  
 Edeate disodium, in artificial tear formulations, 234  
 Endophthalmitis, 200

Endothelial decompression after long-term tranquilizer use, 475  
 Endothelial pigmentation, 577  
 Endothelium  
 and ascorbic acid transport, 53  
 cell protein variation in Fuch's dystrophy, 315  
 and chondroitin sulfate storage, 127  
 and cryopreservation, 211  
 DNA synthesis, 1  
 effect of altered Descemet's membrane on cell growth, 242  
 epidermal growth factor, 11, 20  
 irido corneal endothelial syndrome, 255  
 irregularity, with long-term hard contact lens wear, 600  
 polymegathism and contact lens, 133  
 posterior polymorphous dystrophy, 255  
 transient blebs from contact lens, 319

Epidermal growth factor, 311  
 endothelial cell receptors, 11  
 endothelial cells, 1

Epidermolysis bullosa dystrophica, 83  
 Epithelial downgrowth, 586  
 Epithelium, 553  
 benzalkonium chloride, damage by, 221, 368  
 conjunctival wound healing, 418  
 double layer, 491  
 effects of contact lens types, 282  
 immunohistochemistry, 523  
 inhibition with immunotoxin 454a12-rRA, 413  
 integrin distribution, 523  
 metabolism changes and hard contact lens, 121  
 posterior amorphous corneal dystrophy, 165  
 wound healing, 191, 311, 546

Errata, 184, 368  
 Erythema multiforme, 592  
 Eyelid margin, age-related changes, 334

Fibrin sealant, 393  
 Fish-eye disease, 452  
 Flavoprotein, 121  
 Fluorophotometry, and tear turnover, 515  
 Fluroquinolone anti-infectives, 226  
 Follicular conjunctivitis, 360  
 Fractal geometry techniques, 510  
 Fuch's dystrophy, 242  
 allelic variations in Descemet's membrane and epithelial cells, 315

Fungal infection  
 after cataract surgery, 151

Glare effect, in lecithin-cholesterol acyltransferase deficiency, 595  
 Glaucoma, risk factors after keratoplasty, 427  
 Glycosylation, 386

Goblet cell, in wound healing, 418  
 Graft  
 clarity, 66  
 human into rhesus monkey, 66  
 size and postoperative myopia, 250  
 Graft failure, 586  
 Graft inversion, 586  
 Graft rejection, 326, 534  
 Granular corneal dystrophy, 343  
 Granuloma, 589  
 Grave's disease, corneal topographic changes after strabismus surgery, 36  
 Gutta, from contact lens, 319

Harderian gland-derived growth factor, 380  
 Hematoma, endocapsular, 584  
 Hemorrhage, intracorneal and contact lens, 73, 184  
 Hereditary disease  
 congenital hereditary corneal dystrophy, 486  
 keratoconus associated with chromosome 61, 302  
 Schynder's crystalline dystrophy, 93  
 Herpes keratouveitis  
 and conjunctival flap, 44  
 Herpes simplex virus  
 in dendritic keratitis, 510  
 detection during latent state, 433  
 and keratitis, 433  
 Heterkeratoplasty, 66  
 High-density lipoproteins, in fish-eye disease, 452  
 HLA-DR antigen, 505  
 Human histocompatibility antigen, 505  
 Hydration, 204  
 Hydrogen peroxide, effects on albumin, 567  
 (S)-1-(3-Hydroxy-2-phosphonylmethoxypropyl)-cytosine, and adenovirus inhibition, 529  
 Hydroxypropylmethylcellulose, in artificial tears, 288, 294  
 Hypoxia, contact lens-induced, 108

ICP-0 transcript, 433  
 $\alpha$ -L-Iduronidase deficiency, 86  
 Immunosuppression, in transplantation, 326  
 Immunotoxin, and epithelial inhibition, 413  
 In situ hybridization technique, 433  
 Integrin distribution in epithelium, 523  
 Intracocular pressure, 277  
 Intraocular lens, 573  
 Ionizing radiation, protection with WR-2721, 41  
 Irido corneal endothelial syndrome, pathogenesis, 255  
 Iris, 255  
 Itraconazole, and *Aspergillus flavus*, 151

Keratinization, after cataract surgery, 418  
 Keratitis, 275, 360, 505  
 and contact lens, 47  
 delayed, from varicella, 471  
 from herpes simplex virus, 433  
 from *Mycobacterium fortuitum*, 493, 500  
 from *Mycobacterium gordonae*, 77  
 from *Pseudomonas aeruginosa*, 143, 393, 398, 404  
 recurrence, 404  
 from *Staphylococcus aureus*, 355  
 from *Streptococcus pneumoniae*, 404  
 Keratoconjunctivitis, 262, 355  
 Keratoconjunctivitis sicca, 148, 288, 294  
 Keratoconus, 163, 255, 343, 351  
 axial length, 250  
 histopathological variation, 553  
 molecular genetics, 302  
 Keratocyte, effect of -L-Ascorbic acid 2-phosphate, 439  
 Keratometry, 250  
 Keratopathy, 155, 242, 584  
 Keratoplasty, 66, 102, 200, 211, 250, 326, 370, 489, 589  
 capsulorhexis, 273, 604  
 for corneal calcification, 155  
 indications and techniques, 573  
 risk factors for postoperative glaucoma, 427  
 Keratoprostheses  
 complications, 183  
 new fluorocarbon available, 538  
 Keratotomy, 191, 465  
 Keratouveitis, and conjunctival flap, 44  
 Ketoconazole, 329

Lactate dehydrogenase  
 and contact lens-induced hypoxia, 108  
 and contact lens type, 114  
 Latency-associated transcript, 433  
 Lattice corneal dystrophy, 343  
 Laws for organ donation, 102  
 LCAT, *See* lecithin-cholesterol acyltransferase deficiency  
 Lecithin, free, in lecithin-cholesterol acyltransferase deficiency, 595  
 Lecithin-cholesterol acyltransferase deficiency, 452, 595  
 Leukotriene antagonist, 398  
 Low-density lipoproteins, in fish-eye disease, 452

McC Carey Kaufman storage medium, 200  
 Meibomian gland, age-related dysfunction, 334  
 Meibomian lipids, 334  
 Metabolism, endothelial and hard contact lens, 121

Metastasis, ocular, 589  
 Mitomycin C, in transplantation, 173  
 Monoclonal gammopathy, 584  
 Mononuclear leukocytes, 409  
 Mucocutaneous junction, 334  
 Mucopolysaccharidosis type I-S, 86  
 Multivesicular liposomes, 393  
*Mycobacterium fortuitum* keratitis, 493, 500  
*Mycobacterium gordonae* keratitis, 77  
 Myeloma, multiple, 584  
 Myopia, postoperative, and graft size, 250

Neodymium-yttrium-aluminum-garnet laser capsulotomy, 534  
 Neural crest cells, 255  
 Neutrophil chemotaxis, 484  
 Neutrophil function, and viscoelastic solutions, 484  
 Nontuberculous mycobacterium, 77

Ocular surface disease, 294  
 Ofloxacin  
     absorption after topical use, 226  
     pharmacokinetics, 226  
     and *Pseudomonas aeruginosa*, 143, 398

Opacity  
     clouding, 86  
     progressive, 595  
     subepithelial, 360

Optisol antimicrobial agent, 370  
 Orbital cyst, in Stevens-Johnson syndrome, 592  
 Organ donation laws, 102

Panophthalmitis, 275  
 Pellucid marginal corneal degeneration, 309  
 Penetrating keratoplasty, 200, 211, 250, 427  
     in congenital sensory neuropathy, 270  
     for corneal calcification, 155  
     indications and techniques, 573  
     with pyogenic granuloma, 589

Percoll, 409  
 Perfluorocarbons liquids, cytotoxicity, 376  
 Peripheral corneal edema, 577  
 Photocoagulation, in transplantation, 173  
 Photokeratoscopy, 28  
 Photophobia, in xeroderma pigmentosum, 173  
 Polymegethism, 133  
     and hard contact lens wear, 600  
 Polymer, for keratoprosthesis, 538  
 Polytetrafluoroethylene, for keratoprosthesis, 538  
 Polyvinyl alcohol, in artificial tears, 288  
 Posterior amorphous dystrophy, 165  
 Posterior blepharitis, 334  
 Posterior capsulotomy, 534  
 Posterior keratoconus, 351

Posterior polymorous dystrophy, 255  
 Preservatives, in artificial tear formulations, 234  
 Progressive essential iris atrophy, 255  
 Prostate carcinoma, 589  
 Protein electrophoresis, of endothelial cells in Fuch's dystrophy, 315  
 Proteoglycan, 185, 204  
*Pseudomonas aeruginosa*  
     contact lens attachment, 47  
     keratitis, 143, 393, 398  
     killed by defensive defense peptides in storage medium, 370  
     and ofloxacin treatment, 143  
     and tobramycin treatment, 143  
 Pseudophakic bullous keratopathy, 242  
 Punctate epithelial keratitis, 360  
 Pyogenic granuloma, after penetrating keratoplasty, 589  
 Pyridine nucleotide, 121

Radial keratotomy, 191, 465  
 Radioprotection, by WR-2721, 41  
 Recurrent corneal erosion, 231  
 Redox fluorometry, 121  
 Renal disease, in lecithin-cholesterol acyltransferase deficiency, 595  
 Rheumatoid arthritis, 505  
     and cataract surgery complications, 148  
 Ring infiltrate, and *Streptococcus mitis* keratopathy, 479  
 Rotating autokeratoplasty, 489

Scarring, 309  
 Scheie's syndrome, 86  
 Schnyder's crystalline dystrophy, 93  
 Scleral lens  
     vs. contact lens for dry eye, 518  
     vs. contact lens for surface disorders, 518  
 Scleritis, fungal, after cataract surgery, 151  
 Sclerocornea, 83  
 Seborrhoeic blepharitis, 334  
 Sensory neuropathy, 270  
 Silver deposition, on cornea, 264  
 Sodium hyaluronate, 288  
 Squamous metaplasia, 294  
*Staphylococcus aureus*  
     keratitis, 355  
     killed by defensive defense peptides in storage medium, 370  
 Sterile corneal melt, 505  
 Stevens-Johnson syndrome, 592  
 Storage medium  
     chondroitin sulfate, 127  
     chondroitin sulfate/dextran, 200  
     with defensive defense peptides, 370

McC Carey-Kaufman, 200  
and proteoglycan loss, 204  
*Streptococcus pneumoniae* survival in, 200  
Strabismus surgery, and Grave's disease, 36  
*Streptococcus mitis*, and crystalline keratopathy, 479  
*Streptococcus pneumoniae*  
killed by defensive defense peptides in storage medium, 370  
in storage medium, 200  
Stroma  
and ascorbic acid transport, 53  
cholesterol deposits and Schynder's crystalline dystrophy, 93  
and Harderian gland-derived growth factor, 380  
and posterior amorphous corneal dystrophy, 165  
wound healing, 546  
Superior limbic keratoconjunctivitis, 262  
Suramin, inhibition of Harderian gland-derived growth factor, 380  
Surface disorders, contact lens vs. scleral lens, 518  
Synchrotron x-ray diffraction in macular dystrophy, 185  
Systemic mucopolysaccharidosis, 86  
Tarsal plate, 334  
Tear lactate dehydrogenase level, 114  
Tear osmolarity, 231  
Tear turnover, and contact lens, 515  
Thygeson's superficial punctate keratitis, 360  
Tobramycin, and *Pseudomonas aeruginosa*, 143, 393  
Tonometry  
Pneumatomometer, 277  
Tono-Pen, 277  
Tranquilizers, and endothelial decompression, 475  
Transient endothelial blebs, 319  
Transplantation  
and cyclosporin, 173  
inadvertant button inversion, 586  
keratoplasty indications and techniques, 573  
legal requirements, 102  
and mitomycin C, 173  
prevention of graft rejection, 326  
storage medium, 370  
for xeroderma pigmentosum, 173  
Traumatic epithelial defect, 311  
Trehpine size and postoperative myopia, 250  
Triazole, and *Aspergillus flavus*, 151  
Trichiasis, 272  
Ulcer  
from alkali injury, 409  
from herpes simplex virus, 510  
from *Mycobacterium fortuitum*, 493, 500  
from *Mycobacterium gordonae*, 77  
vernal, 355  
Ulcerative keratitis, 505  
Unesterified cholesterol, in lecithin-cholesterol acyltransferase deficiency, 595  
Varicella, and delayed keratitis, 471  
Vernal keratoconjunctivitis, 355  
Virus inhibition, 529  
Virus spread, 510  
Vortex keratopathy, 584  
Wound healing, 311  
after radial keratotomy, 191  
brush cytology used to evaluate, 418  
and cyclosporine A, 546  
and integrin, 523  
Xeroderma pigmentosum, 173